

U.S. Application No.: 10/689,220  
AMENDMENT A

Attorney Docket: 3975.024

**IN THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1-7. (canceled)

8. (previously presented) An open-pore moulded body based on  $\beta$ -tricalcium phosphate, wherein said moulded body has a composition ranging between (in % by weight) 46.1 and 54.0 CaO, 38.9 and 45.5  $P_2O_5$ , 0.005 and 11.4  $SiO_2$ , 0.001 and 4.05  $Na_2O$  and 0.0005 and 1.8 MgO and solely comprises  $\beta$ -tricalcium phosphate as a crystalline phase according to roentgenographic analyses.

9. (currently amended) An open-pore moulded body based on  $\beta$ -tricalcium phosphate ( $\beta$ -TCP), wherein said moulded body has a composition ranging between (in % by weight) 46.1 and 54.0 CaO, 38.9 and 45.5  $P_2O_5$ , 0.005 and 11.4  $SiO_2$ , 0.001 and 4.05  $Na_2O$  and 0.0005 and 1.8 MgO and solely comprises  $\beta$ -tricalcium phosphate as a crystalline phase according to roentgenographic analyses and is manufactured by

(a) \_\_\_\_\_ separately producing  $\beta$ -tricalcium phosphate and separately producing a glass consisting of 68-78% by weight  $SiO_2$ , 5-12% by weight MgO and 12-27% by weight  $Na_2O$ ,

(b) \_\_\_\_\_ mixing 99.5-85% by weight  $\beta$ -tricalcium phosphate and 0.5-15% by weight glass,

(c) \_\_\_\_\_ processing the mixture into a slurry ~~in a usual manner~~,

(d) \_\_\_\_\_ impregnating said slurry applying it onto an open-pore sponge and

(e) \_\_\_\_\_ sintering the product of step (d) [[it]] at between 1,150 and 1,350°C to obtain after cooling the moulded body, with the provision that the sintered product has  $\beta$ -TCP grains with a grain size of  $\beta$ -TCP is 1-7.5  $\mu m$ , glass grains with a the grain size of the glass is 0.7-2  $\mu m$ , and with the further provision that and the grain size of  $\beta$ -TCP must not be smaller than that of the glass.

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